

**EAST Search History**

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L3    | 294  | (370/281.ccls. 370/282.ccls. 370/302.ccls. 370/343.ccls. 370/436.ccls. 370/478.ccls. 370/57.ccls. 370/480.ccls.) and ((serial\$3 and deserial \$3) (multiplex\$3 and demultiplex\$3)) same (channel\$1 frequenc\$3 band \$1)                      | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/05/06 17:15 |
| L4    | 177  | (370/281.ccls. 370/282.ccls. 370/302.ccls. 370/343.ccls. 370/436.ccls. 370/478.ccls. 370/57.ccls. 370/480.ccls.) and ((serial\$3 and deserial \$3) (multiplex\$3 and demultiplex\$3)) same (channel\$1 frequenc\$3 band \$1) and @ad<= "20010711" | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/05/06 17:16 |
| L5    | 59   | 4 and (multiple plurality) near4 (receiver\$1 decoder\$1 demodulator\$1)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/05/06 17:17 |
| S1    | 3461 | (multiple plurality) near4 demodulator\$1   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/03/28 16:24 |
| S2    | 41   | 329/304.ccls. and (multiple plurality) near4 demodulator \$1  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/03/28 16:24 |
| S3    | 28   | 329/304.ccls. and (multiple plurality) near4 demodulator \$1 and @ad<= "20010711"   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/03/28 16:25 |
| S4    | 2    | S3 and (coaxila twisted adj pair wire wireline)   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/03/28 16:28 |

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| S5  | 3  | \$3 and (coaxial twisted adj pair wire wireline)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 16:29 |
| S6  | 12 | "329"/\$.ccls. and (multiple plurality) near2 demodulator \$1 and (coaxial twisted adj pair wire wireline)                | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 16:31 |
| S7  | 6  | \$6 and @ad<="20010711"   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 16:32 |
| S8  | 44 | 370/503.ccls. and ((multiple plurality) near2 (demodulator \$1 receiver\$1)) and (coaxial wire wireline twisted adj pair) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 16:36 |
| S9  | 25 | \$8 and @ad<="20010711"   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 16:36 |
| S10 | 2  | "5214390".pn.   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 16:47 |
| S11 | 63 | 370/503.ccls. and (serdes serial\$3 near3 deserializ\$3)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 16:52 |
| S12 | 19 | \$11 and @ad<="20010711"  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 16:52 |
| S13 | 0  | \$12 and (plurality multiple) near3 demodulator\$1  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 16:57 |

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| S14 | 1  | S12 and demodulator\$1  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/28<br>16:57 |
| S15 | 78 | 370/503.ccls. and (serdes serial\$3 deserializ\$3) and (plurality multiple) near3 (receiver\$1 demodulator\$1)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/28<br>16:59 |
| S16 | 42 | S15 and @ad<="20010711"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/28<br>16:59 |
| S17 | 35 | demodulator\$1 same (analog near2 down near2 converter)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/28<br>17:20 |
| S18 | 6  | S17 and filter same ("D/A" digital near2 analog near2 conver\$5 and equaliz\$5 and decod\$3)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/28<br>17:22 |
| S19 | 76 | ("20010031014"   "20020039052"   "20020086651"   "20020093994"   "20020110206"   "20020159551"   "20020163974"   "20030017809"   "20030054782"   "20030112798"   "20040091028"   "20040106380"   "20040121753"   "20040130483"   "20040137941"   "20040162023"   "20040190660"   "4025719"   "4455649"   "4599732"   "4679225"   "4710922"   "4995031"   "5079770"   "5285474"   "5293378"   "5535228"   "5604768"   "5715280"   "5781617"   "5796783"   "5808671"   "5822368"   "5838268"   "5838732"   "5838740"   "5844950"   "5852629") | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/03/28<br>17:24 |

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|     |      | "5930231"   "5991311"   "5999575"   "6005893"   "6044112"   "6121828"   "6128114"   "6160820"   "6163563"   "6246664"   "6252900"   "6259745"   "6269129"   "6275544"   "6292559"   "6351293"   "6351677"   "6407843"   "6418161"   "6438174"   "6441683"   "6462679"   "6477207"   "6496540"   "6522702"   "6529303"   "6647071"   "6678319"   "6714529"   "6724331"   "6731704"   "6804497"   "6807234"   "6831954"   "6970448"   "6975685"   "7236757"   "7295623").PN. |   |    |    |                  |
| S20 | 1    | "5781617".pn.  | US_PGPUB; USPAT; USOOCR                                   | OR | ON | 2009/03/28 17:36 |
| S21 | 2019 | (plurality multiple) near2 demodulator\$1  | US_PGPUB; USPAT; EPO; JPO; DERWENT                        | OR | ON | 2009/03/28 17:39 |
| S22 | 2344 | synchronous adj demodulator \$1  | US_PGPUB; USPAT; EPO; JPO; DERWENT                        | OR | ON | 2009/03/28 17:41 |
| S23 | 1772 | S22 and @ad<="20010711"  | US_PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 17:41 |
| S24 | 2343 | synchronous adj demodulators   | US_PGPUB; USPAT; EPO; JPO; DERWENT                        | OR | ON | 2009/03/28 17:41 |
| S25 | 1771 | S24 and @ad<="20010711"  | US_PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 17:42 |
| S26 | 2343 | synchronous adj demodulators   | US_PGPUB; USPAT; EPO; JPO; DERWENT                        | OR | ON | 2009/03/28 20:45 |
| S27 | 1771 | S26 and @ad<="20010711"  | US_PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 20:45 |

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| S28 | 52      | \$27 and (plurality multiple) near2 (channel\$1 band\$1 frequenc\$3) and (coaxial copper twisted adj pair) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2009/03/28 20:46 |
| S29 | 2       | "6356555".pn.  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2009/03/28 21:02 |
| S30 | 2       | "6292462".pn.  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2009/03/28 21:26 |
| S31 | 550     | synchronous near2 (transceivers receivers)   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/28 21:41 |
| S32 | 285     | S31 and @ad<= "20010711"   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2009/03/28 21:41 |
| S33 | 87      | S32 and (plurality multiple) near2 (band\$1 frequenc\$3 channel\$1)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2009/03/28 21:42 |
| S34 | 7689932 | (plurality multiple) near\$4 modulator\$1 and (plurality multiple) near4 (demodulator \$1 receiver\$1)     | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2009/03/28 22:33 |
| S35 | 7689932 | (plurality multiple) near\$4 modulator\$1 same (plurality multiple) near4 (demodulator \$1 receiver\$1)    | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2009/03/28 22:34 |
| S36 | 721     | (plurality multiple) near4 modulator\$1 same (plurality multiple) near4 (demodulator \$1 receiver\$1)      | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2009/03/28 22:35 |

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| S37 | 5905 | S35 and ((serializ\$3 and deserializ\$3) serdes)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 22:35 |
| S38 | 4    | S36 and ((serializ\$3 and deserializ\$3) serdes)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 22:35 |
| S39 | 2    | "6259745".pn.   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 22:39 |
| S40 | 1348 | S37 and @ad<="20010711"   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 22:52 |
| S41 | 283  | S36 and @ad<="20010711"   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 22:52 |
| S42 | 9    | S41 and (transmitted transmission transmitting) near3 (synchronous\$3 common adj clock)                                 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 22:53 |
| S43 | 2    | "6763025".pn.   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/28 23:06 |
| S44 | 6    | "358"/\$.ccls. and (plurality multiple) near4 modulator\$1 same (plurality multiple) near4 (demodulator\$1 receiver\$1) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 11:03 |
| S45 | 5    | S44 and @ad<="20010711"   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 11:03 |

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| S46 | 33  | 375/219-222.ccls. and (plurality multiple) near4 modulator\$1 same (plurality multiple) near4 (demodulator\$1 receiver\$1) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 11:05 |
| S47 | 18  | S46 and @ad<="20010711"  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 11:05 |
| S48 | 3   | 375/257.ccls. and (plurality multiple) near4 modulator\$1 same (plurality multiple) near4 (demodulator\$1 receiver\$1)     | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 11:11 |
| S49 | 183 | "370"/\$.ccls. and (plurality multiple) near4 modulator\$1 same (plurality multiple) near4 (demodulator\$1 receiver\$1)    | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 11:13 |
| S50 | 92  | S49 and @ad<="20010711"  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 11:14 |
| S51 | 2   | S50 and (transmit\$4 transmission) near2 synchronous\$3  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 11:14 |
| S52 | 1   | "6763025".pn. and rf adj link  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 11:36 |
| S53 | 1   | "6763025".pn. and link\$1  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 11:37 |
| S54 | 1   | "6763025".pn. and demodulator\$1   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 15:24 |

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| S55 | 1     | "6763025".pn. and synchronous  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 15:34 |
| S56 | 15    | synchronously near2 distributed same (frequenc\$3 channel\$1 band\$1)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 15:48 |
| S57 | 5     | S56 and @ad<="20010711"  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 15:49 |
| S58 | 22973 | (pars\$3 synchronous\$3 near2 distribut\$3) same (carrier\$1 line\$1 frequenc\$3 channel\$1 band\$1 subcarrier \$1)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 15:52 |
| S59 | 3646  | S58 and (plurality multiple bank\$1) near3 (demodulat\$3 receiv\$3)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 15:53 |
| S60 | 52    | (pars\$3 synchronous\$3 near2 distribut\$3) same (carrier\$1 line\$1 frequenc\$3 channel\$1 band\$1 subcarrier \$1) same (plurality multiple bank\$1) near3 (receiver\$1 demodulator\$1) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 15:55 |
| S61 | 8     | S60 and @ad<="20010711"  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 16:11 |
| S62 | 21257 | distribut\$3 near3 (symbol\$1 bit\$3 data) same (frequenc \$3 channel\$1 band\$1 carrier \$1 subcarrier\$1)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 16:16 |
| S63 | 1214  | distribut\$3 near3 (symbol\$1 bit\$3 data) same ((between across) near2 (frequenc\$3 channel\$1 band\$1 carrier\$1 (subcarrier\$1))  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/03/29 16:17 |

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| S64 | 385 | S63 and @ad<="20010711"   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/29<br>16:18 |
| S65 | 6   | S64 and synchronous\$2<br>near4 distribut\$3  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/29<br>16:19 |
| S66 | 11  | synchronous\$2 near4 distribut<br>\$3 same ((allocat\$3 allot\$3<br>assign\$3 dispers\$3 divid\$3)<br>near3 (bit\$1 symbol\$1 data))  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/29<br>17:45 |
| S67 | 929 | synchronous\$2 near4<br>((distribut\$3 allocat\$3 allot\$3<br>assign\$3 dispers\$3 divid\$3)<br>near3 (bit\$1 symbol\$1 data))  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/29<br>17:45 |
| S68 | 24  | 370/503.ccls. and (network<br>near2 synchroniz\$5) and<br>multiple near2 (transceiver\$1<br>receiver\$1 demodulator\$1)   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/29<br>18:38 |
| S69 | 4   | S68 and @ad<="20010711"   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/29<br>18:38 |
| S70 | 73  | 370/503.ccls. and ("same"<br>adj clock synchroniz\$5) and<br>multiple near2 (transceiver\$1<br>receiver\$1 demodulator\$1)  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/29<br>18:48 |
| S71 | 27  | S70 and @ad<="20010711"   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/29<br>18:48 |
| S72 | 12  | (375/219.ccls. 375/220.ccls.<br>375/358.ccls. 375/222.ccls.<br>375/257.ccls. 370/503.ccls.)<br>and (pars\$3 distribut\$3<br>allocat\$3) same (plurality<br>multiple) near4 modulator\$1 | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/09<br>10:40 |

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| S73 | 50    | (375/219.ccls. 375/220.ccls. 375/358.ccls. 375/222.ccls. 375/257.ccls. 370/503.ccls.) and (pars\$3 distribut\$3 allocat\$3) same (plurality multiple) near4 (modulator\$1 transmitter\$1 encoder\$) and @ad<="20010711" | US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:48 |
| S74 | 6     | (US-20040202137-\$ or US-20020031113-\$ or US-20050286645-\$).did. or (US-7388904-\$ or US-5930231-\$ or US-6885697-\$).did.  | US-PGPUB; USPAT   | OR | ON | 2009/04/09 11:56 |
| S75 | 1588  | ("375"/\$.ccls. "370"/\$.ccls.) and (synchronous (common "same" adj clock)) same ((plurality multiple) near3 (demodulator\$1 receiver\$1 decod\$3))   | US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 16:20 |
| S76 | 661   | S75 and @ad<="20010711"   | US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 16:20 |
| S77 | 14    | S76 and pars\$3 near3 (bit\$1 data)   | US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 16:24 |
| S78 | 22344 | parse\$3 near3 (bit\$1 data)  | US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 17:15 |
| S79 | 2     | parse\$3 near3 (bit\$1 data) same (plurality multiple bank \$1) near3 modulator\$1  | US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 17:16 |
| S80 | 1     | S79 and @ad<="20010711"   | US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 17:17 |
| S81 | 35    | parse\$3 near3 (bit\$1 data) and (plurality multiple bank \$1) near3 modulator\$1   | US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 17:24 |

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| S82 | 16   | S81 and @ad<="20010711"  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/09<br>17:24 |
| S83 | 1482 | (serdes "serializer/<br>deserializer" serializer adj2<br>deserializer serial near2<br>parallel) and pars\$3 near2<br>(data bit\$1) | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/09<br>17:33 |
| S84 | 488  | S83 and @ad<="20010711"  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/09<br>17:33 |
| S85 | 2    | S84 and (bank\$1 plurality<br>multiple) near3 demodulator<br>\$1   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/09<br>17:34 |
| S86 | 33   | S84 and (bank\$1 plurality<br>multiple) same demodulator<br>\$1  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/09<br>17:40 |
| S87 | 1    | "20020006137" and<br>(transmit receive)  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/09<br>17:51 |
| S88 | 1    | "20020006137" and<br>(transmit receive) adj mode   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/09<br>17:53 |
| S89 | 0    | 370/593.cls. and (serial\$3<br>deserializ\$3 serdes) and<br>@ad<="20010711"  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/20<br>17:37 |
| S90 | 532  | 370/503.cls. and (serial\$3<br>deserializ\$3 serdes) and<br>@ad<="20010711"  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/20<br>17:37 |

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| S91 | 191 | \$90 and (plurality multiple) same (decod\$3 receiver\$1 demodulator\$1)   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 17:38 |
| S92 | 57  | \$90 and (plurality multiple) near3 (decod\$3 receiver\$1 demodulator\$1)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 17:38 |
| S93 | 4   | (US-7069577-\$ or US-6606351-\$ or US-6356555-\$ or US-4455649-\$).did.  | USPAT  | OR | ON | 2009/04/20 18:11 |
| S94 | 104 | ("4218654"   "4460992"   "4470138"   "4475208"   "4553161"   "4554579"   "4635274"   "4688210"   "4723164"   "4748681"   "4757460"   "4773066"   "4811365"   "4829569"   "4894789"   "4912721"   "4926130"   "4933930"   "5072445"   "5090024"   "5093718"   "5130983"   "5133079"   "5157686"   "5164958"   "5166952"   "5193094"   "5195092"   "5200993"   "5224122"   "5231664"   "5233630"   "5235615"   "5235619"   "5239557"   "5247347"   "5253268"   "5280472"   "5295152"   "5297162"   "5305308"   "5309474"   "5313454"   "5319634"   "5325394"   "5327455"   "5345439"   "5345472"   "5347304"   "5353300"   "5359624"   "5363403"   "5363404"   "5373288"   "5373502"   "5390166"   "5394391"   "5398258"   "5404570"   "5408465"   "5414699"   "5416797"   "5418813"   "5425027"   "5440585"   "5442625"   "5442627"   "5442662"   "5442700"   "5448555"   "5452328"   "5463660"   "5467342"   "5481533"   "5488412"   "5499236"   "5511067"   "5512935"   "5533013"   "5534913"   "5539730"   "5550578"   "5557316"   "5572517"   "5572528"   "5583853" | US_PGPUB; USPAT; USOCR                                   | OR | ON | 2009/04/20 18:19 |

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|      |      | "5586121"   "5594872"   "5608446"   "5608728"   "5610911"   "5617410"   "5619531"   "5712982"   "5737329"   "5745484"   "5751739"   "5761198"   "5793759"   "5805583"   "5822359"   "5828655"   "5930235"   "RE35774").PN. |  |    |    |                  |
| S95  | 266  | ((plurality multiple) near2 (encod\$3 modulat\$3 transmitt\$3) same (bit near2 (pars\$3 allocat\$3))   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 19:31 |
| S96  | 85   | ((plurality multiple) near2 (encod\$3 modulat\$3 transmitt\$3) same (bit near2 (pars\$3 allocat\$3)) and @ad<="20010711"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 19:32 |
| S97  | 1    | S96 and (plurality multiple) near5 (demodulator\$1)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 19:33 |
| S99  | 1959 | ((plurality multiple) near5 (demodulator\$1)) and @ad<="20010711"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 19:37 |
| S100 | 190  | S99 and demodulator\$1 same ((common adj1 clock) synchronous\$3)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 19:38 |
| S101 | 0    | S100 and (serdes "serial/deserializer")  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 19:40 |
| S102 | 31   | S100 and (serdes "serial/deserializer" serial near3 parallel)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 19:40 |

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| S103 | 5  | "20020051435" and channel   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/20<br>19:50 |
| S104 | 3  | "20020051435" and channel   | US-PGPUB  | OR | ON | 2009/04/20<br>19:50 |
| S106 | 1  | "20020051435" and (cable coaxial)   | US-PGPUB  | OR | ON | 2009/04/20<br>19:53 |
| S107 | 1  | "20020051435" and PHY   | US-PGPUB  | OR | ON | 2009/04/20<br>19:54 |
| S108 | 18 | ("20050174978"   "5319634"<br>  "5442625"   "5856971"  <br>"6081536"   "6091760"  <br>"6115608"   "6185199"  <br>"6219341"   "6246713"  <br>"6374387"   "6385752"  <br>"6389000"   "6414988"  <br>"6603826"   "6684366"  <br>"6937665"   "6947502").PN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/04/20<br>19:58 |
| S109 | 1  | "7190683".pn. and radio adj channel   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/04/20<br>20:02 |
| S110 | 22 | (375/219-220.ccls. 375/358. ccls.) and ((synchronization synchronizing) same ((plurality multiple) near5 (transceiver\$1 demodulator \$1)))   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | ON | 2009/04/20<br>20:32 |
| S111 | 13 | S110 and @ad<="20010711"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/20<br>20:33 |
| S112 | 45 | (375/219-220.ccls. 375/358. ccls.) and demodulator\$1 same ((common adj1 clock) synchronous\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | ON | 2009/04/20<br>20:42 |
| S113 | 28 | (375/219-220.ccls. 375/358. ccls.) and demodulator\$1 same ((common adj1 clock) synchronous\$3) and @ad<="20010711"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | ON | 2009/04/20<br>20:42 |
| S114 | 2  | "7362719".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | ON | 2009/05/04<br>16:10 |
| S115 | 4  | "3605019".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | ON | 2009/05/04<br>17:18 |
| S116 | 2  | "5781617".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | ON | 2009/05/04<br>17:22 |

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| S117 | 0    | 75/260.ccls. and frequency adj division adj multiplexing     | US-PGPUB; USPAT; EPO; JPO; DERWENT                       | OR | ON | 2009/05/04 22:30 |
| S118 | 1761 | 375/260.ccls. and frequency adj division adj multiplexing    | US-PGPUB; USPAT; EPO; JPO; DERWENT                       | OR | ON | 2009/05/04 22:30 |
| S119 | 909  | S118 and (plurality multiple) near4 receiv\$3                | US-PGPUB; USPAT; EPO; JPO; DERWENT                       | OR | ON | 2009/05/04 22:35 |
| S120 | 90   | S119 and @ad<="20010711"                                     | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/04 22:35 |
| S121 | 7    | S120 and receiv\$3 with ("same" adj clock\$1 synchronous\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/04 22:38 |
| S122 | 1946 | equalizer same coefficient\$1 near4 updat\$3                 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/04 22:57 |
| S123 | 153  | equalizer same coefficient\$1 near4 (updat\$3 and equation)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/04 22:58 |
| S124 | 73   | S123 and @ad<="20010711"                                     | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/04 22:58 |
| S125 | 3    | S124 and rate near4 adaptat\$4                               | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/04 23:01 |
| S126 | 6    | "09965242"   | US-PGPUB; USPAT; USOCP; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/04 23:09 |

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| S127 | 2   | "5533050".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>23:45 |
| S128 | 225 | equalizer same fixed near2 coefficient\$1  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>23:53 |
| S129 | 48  | S128 and gain with amplifier \$1   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>23:54 |
| S130 | 14  | S129 and @ad<="20010711"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>23:54 |
| S131 | 29  | equalizer same (fixed near2 coefficient\$1 and gain with amplifier\$1)             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>23:55 |
| S132 | 8   | S131 and @ad<="20010711"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>23:55 |
| S133 | 29  | equalizer same (fixed near2 coefficient\$1 and gain with amplifier\$1)             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>13:43 |
| S134 | 8   | S133 and @ad<="20010711"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>13:43 |
| S135 | 0   | equalizer and (fixed adj coefficient\$1 same (amplifier and (phase adj rota\$3)) ) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>13:53 |

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| S136 | 0 | equalizer and (fixed adj coefficient\$1 same (amplifier and (phase adj rotat\$3)) ) | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>13:53 |
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